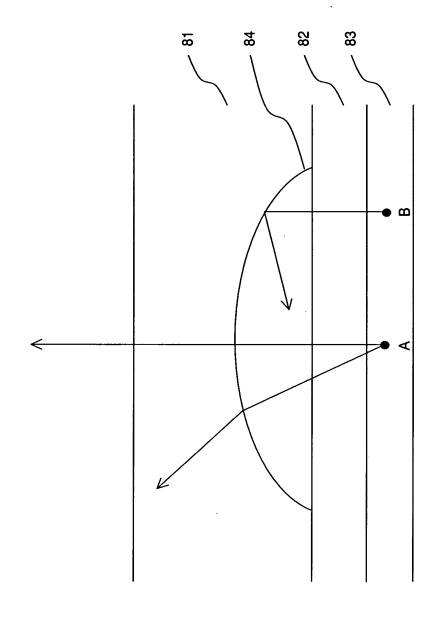
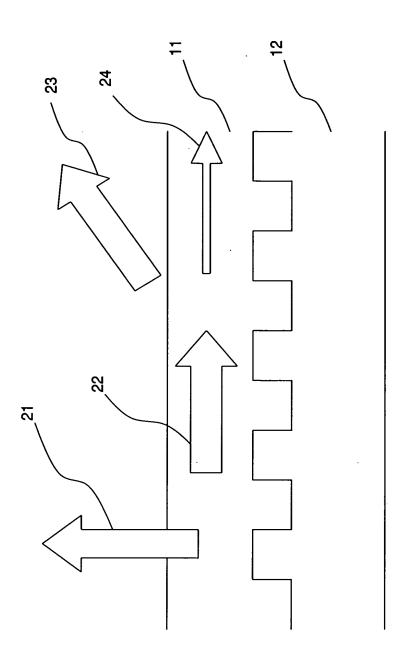


Distance from metal electrode (nm)



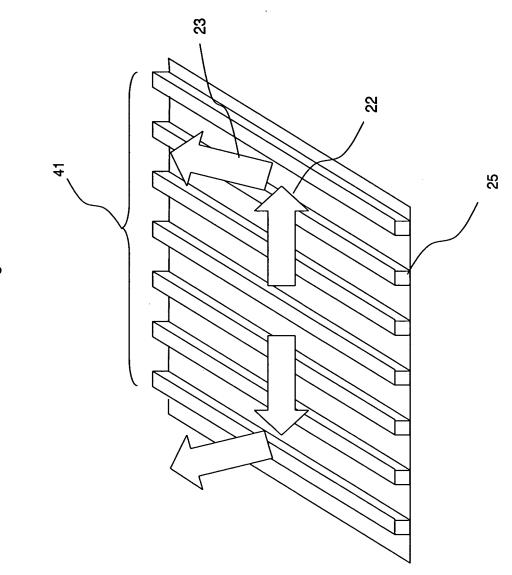
-ig.2

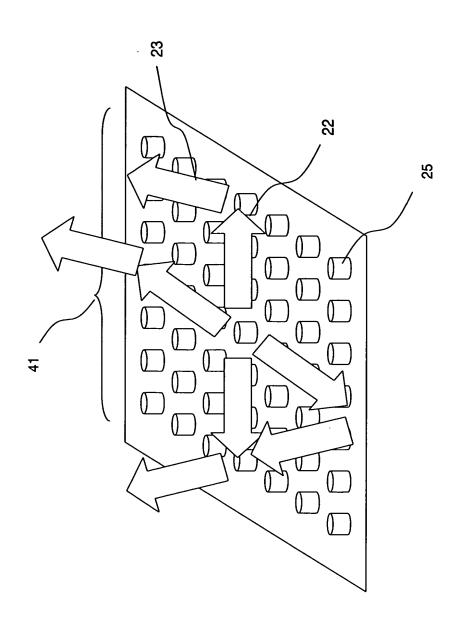
3/57

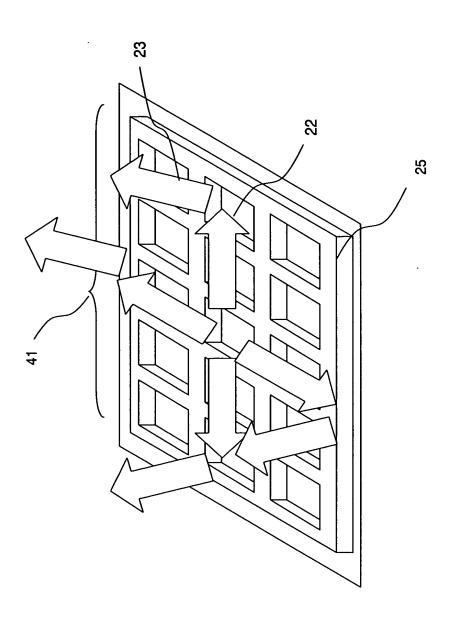


Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 4 of 57

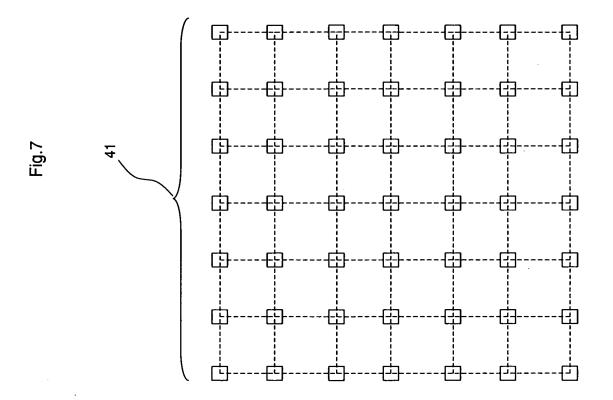
4/57

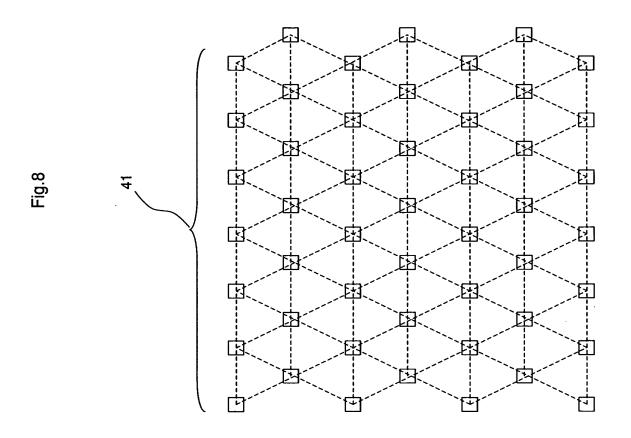






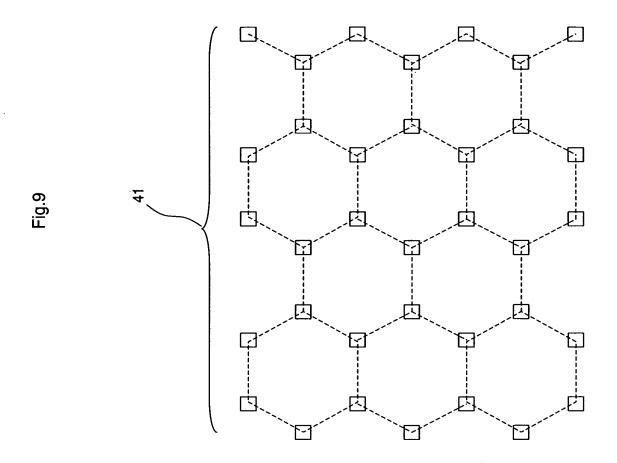
7/57



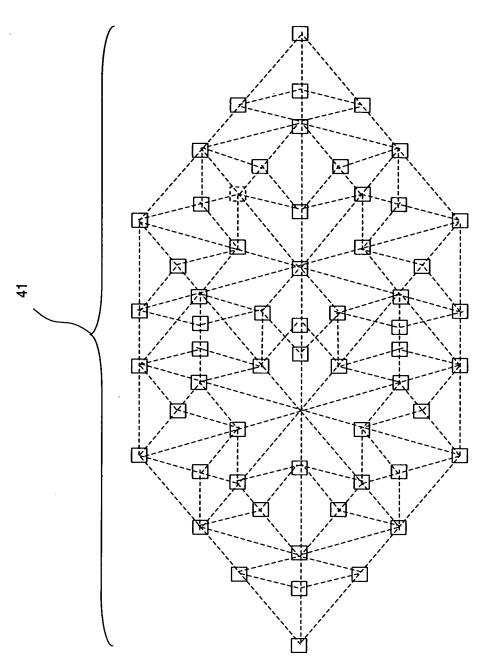


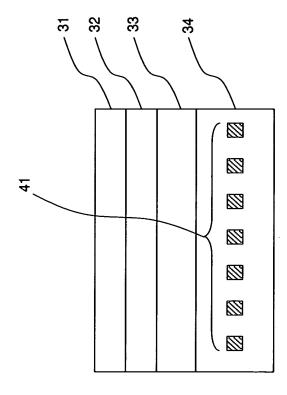
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 9 of 57

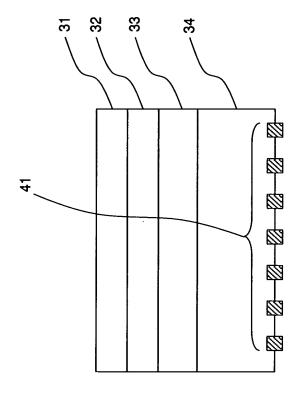
9/57

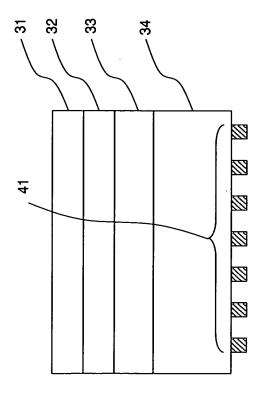


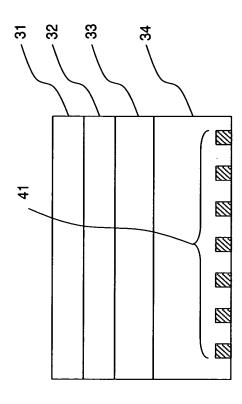
10/57

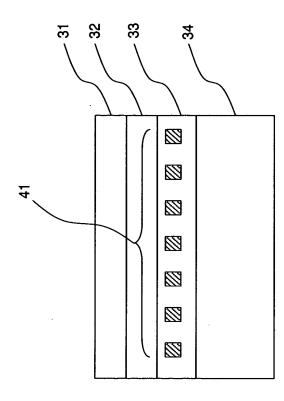












16/57

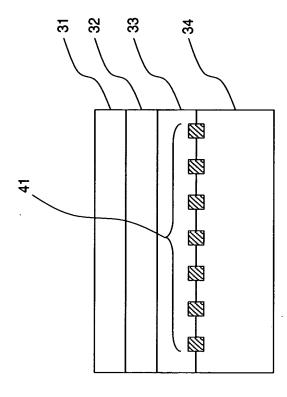
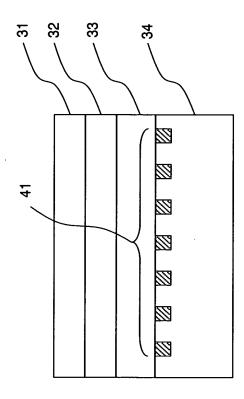
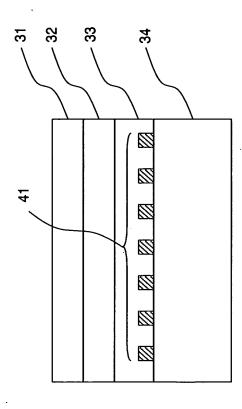
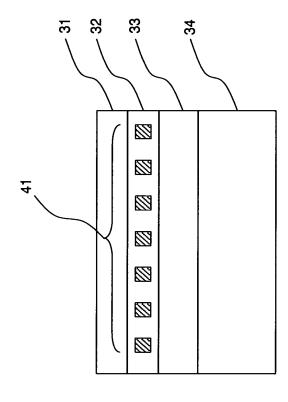
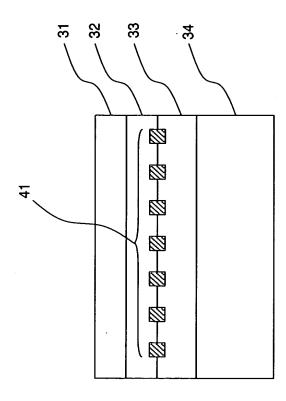


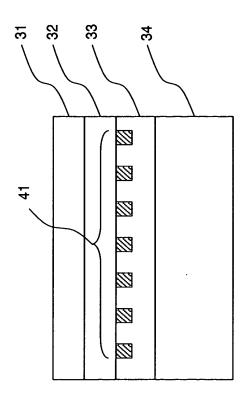
Fig.16





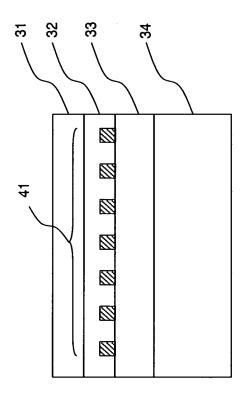


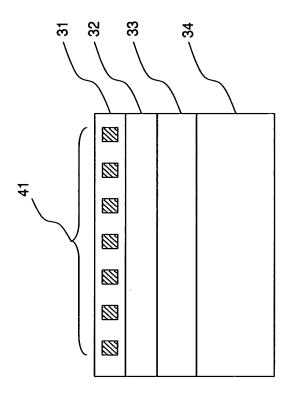


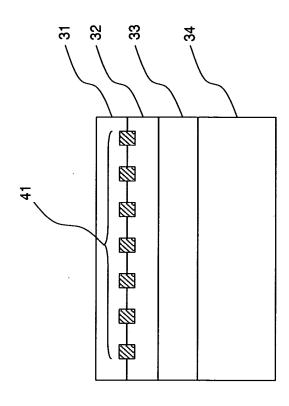


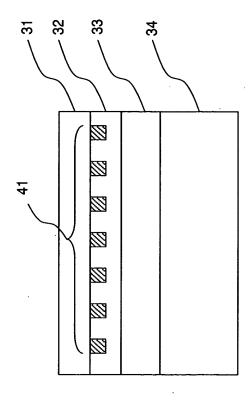
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 22 of 57

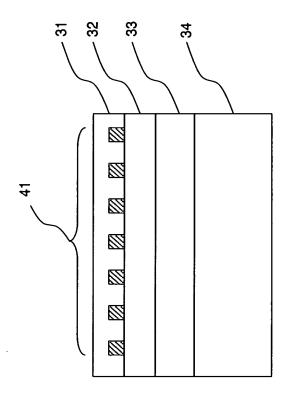
22/57

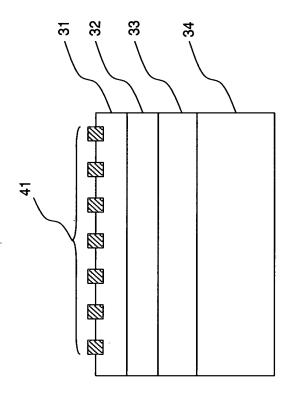






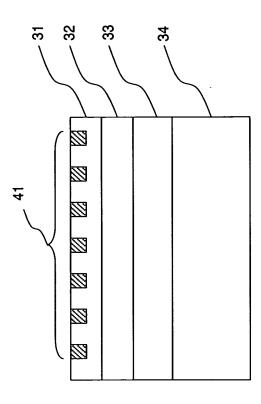


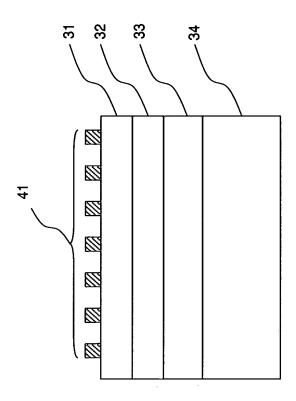


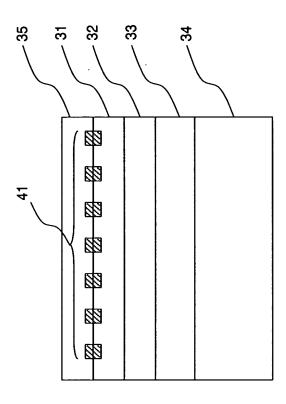


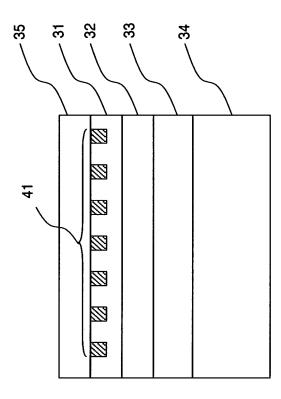
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 28 of 57

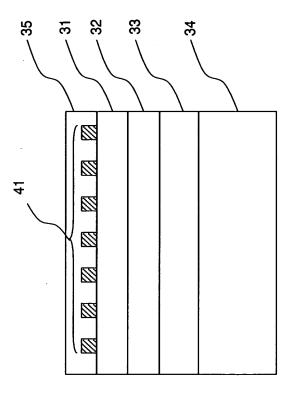
28/57

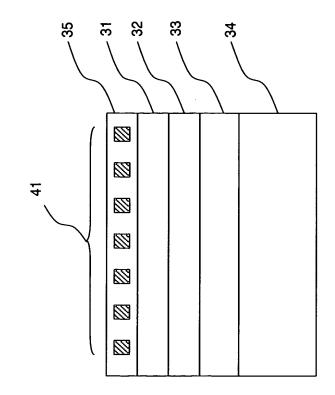






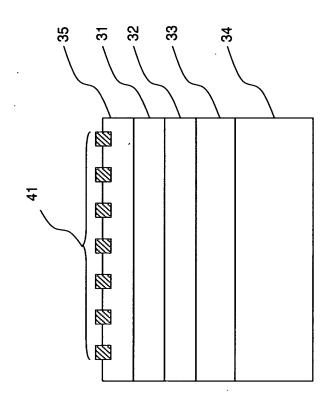


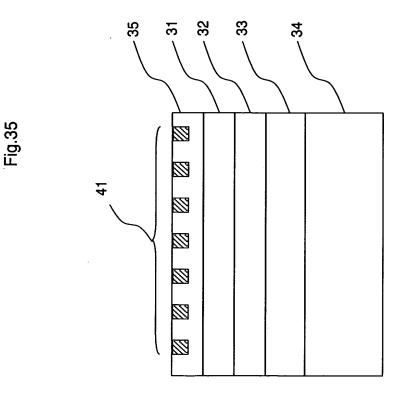




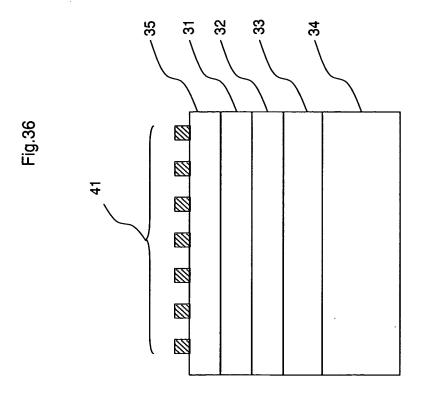
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 34 of 57

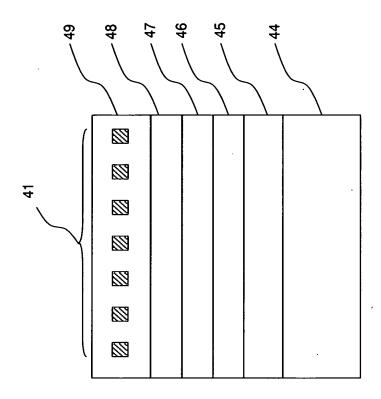
34/57

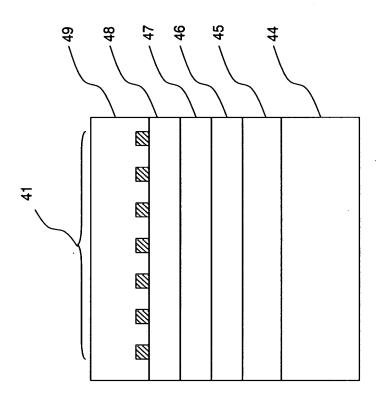


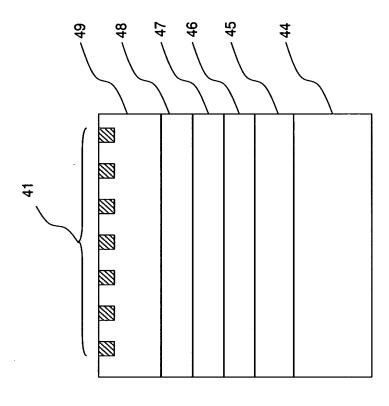


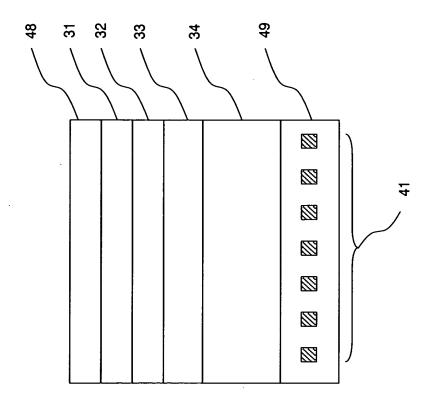
36/57



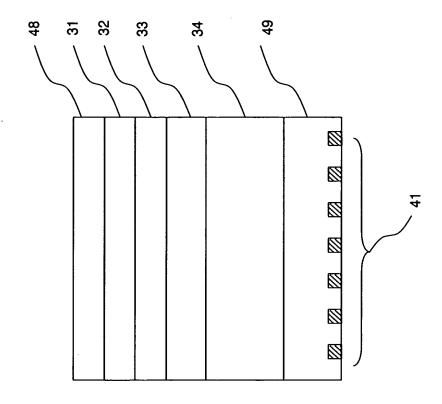


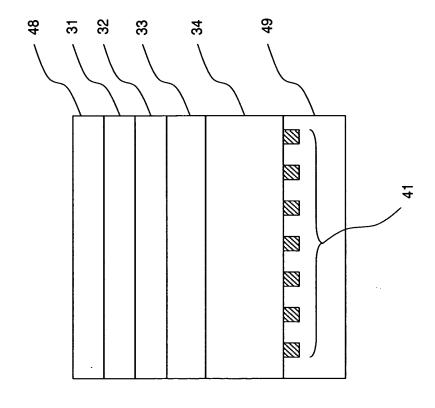


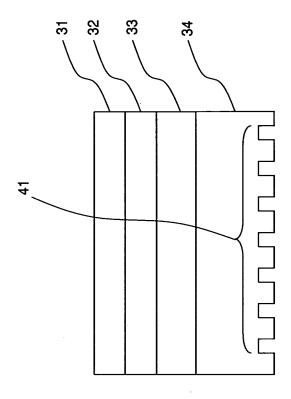






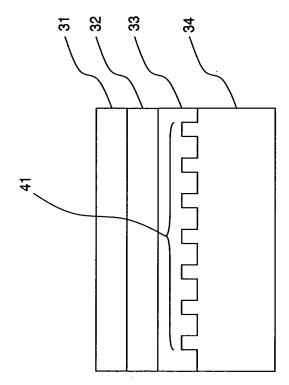




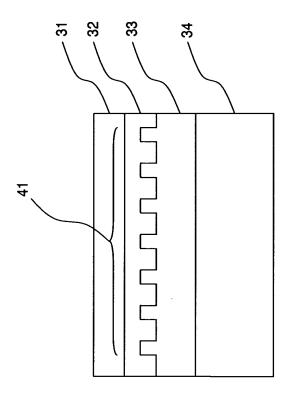


Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 44 of 57

44/57

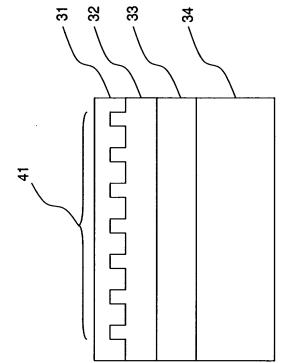


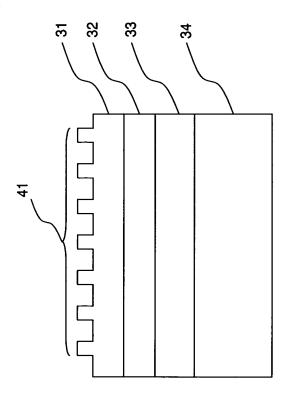


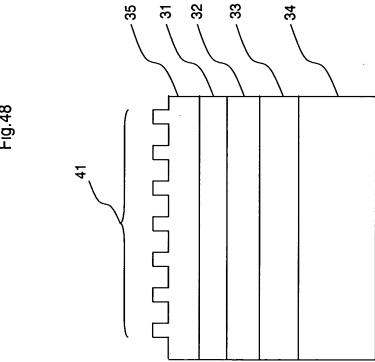


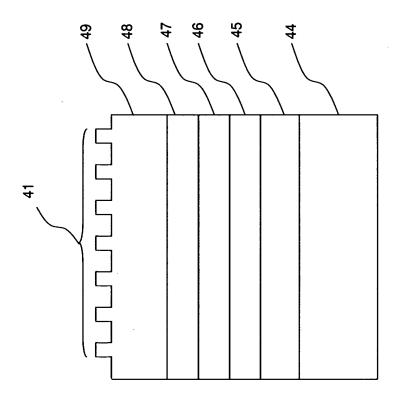
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 46 of 57

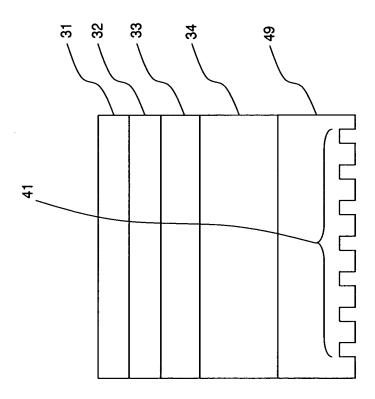
46/57





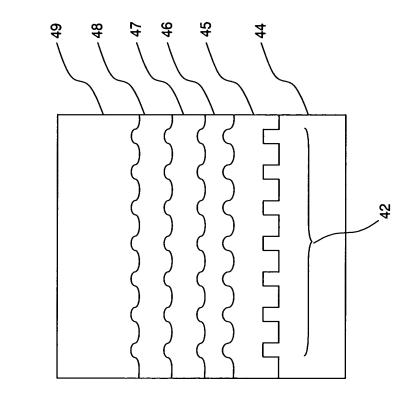






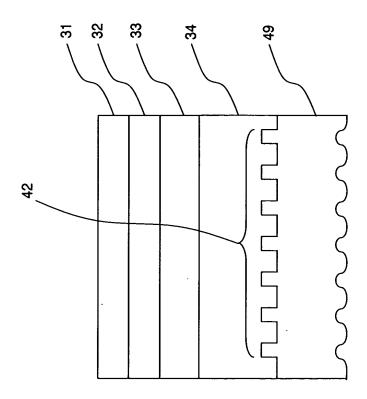
Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 51 of 57

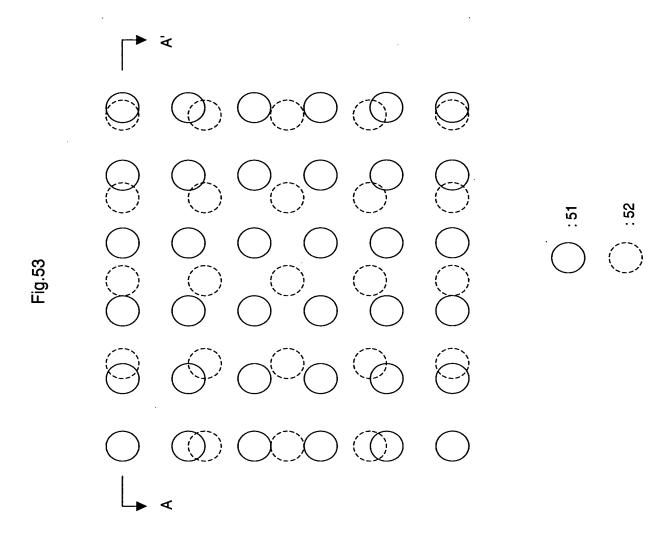
51/57



Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 52 of 57

52/57



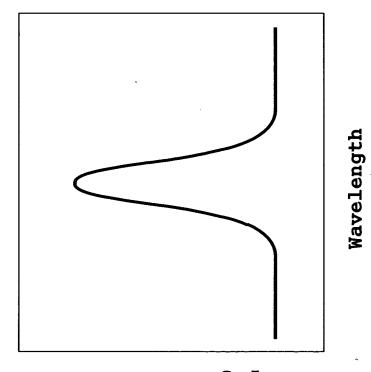


Oblon, Spivak, et al. 703-413-3000 Docket # 278705US90XPCT Sheet 54 of 57

54/57

.51	: 52
 •	

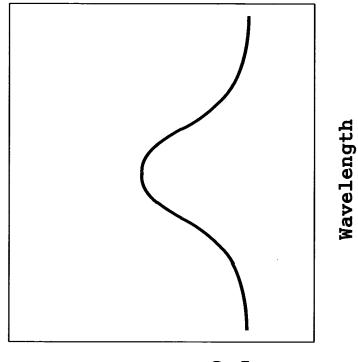
55/57



Propagation loss

-ig.55





Propagation loss

В	ω
g	g
c	c
ω	Δ
g	G
Œ	Œ